Name:

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Geometry, Period

Due Date: Tue, 4 Nov 2014

**Geometry**

**Homework**



GRASP REVIEW!

*Yes, we* ***know*** *you’ve never seen anything like this. The point is to* ***STRUGGLE*** *and see what you’re capable of! We believe in you!!!* ☺ *(Hint: it may help to assign variables to shapes.)*



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| **[image]SLOPE review ~** 1) ***Writing*:** **Describe the steps** you would take to write an equation in slope-intercept form  (or point-slope form… your choice) of a line that passes through the points (3, - 2) and (4, 5). | | | |
| 2) Write an equation in **point-slope form** of the line that passes through the given point and has the given slope *m.*   |  |  |  | | --- | --- | --- | | a) | b) | c) | | | | |
| 3) Write an equation in **slope-intercept** form of the line that passes through the given point and has the given slope *m.*  a)  b)  c) | | | |
| 4) Write an equation in **point-slope OR slope-intercept** form of the line that passes through the given points.  a)  b)  c) | | | |
| 5a) What is the slope of a line **parallel** to | | b) Write an equation for a line **parallel** to and travels through the point (5, -2) |
| 6a) Write the negative reciprocal for each of the following   1. 4 \_\_\_\_\_\_\_\_\_\_\_ 2. 7 \_\_\_\_\_\_\_\_\_\_\_ 3. \_\_\_\_\_\_\_\_\_\_\_ | | b) Write an equation of a line **perpendicular** to |
| c) Write an equation of a line passing through the point (–2, –4) and **perpendicular** to . | 7) Determine which of the following equations are **parallel OR perpendicular** to one another. Clearly label & justify answers.  Line A: 3*y* – 2*x* = 12  Line B: *y* = –6*x* + 44  Line C: 3*y* = 2*x* – 13  Line D: 2*y* = –3*x* + 37 | |